

## WEST Search History

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DATE: Wednesday, November 21, 2007

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	14 and (pentadienone or 1,5-bis-4-hydroxy-3-methoxy-phenyl-penta-1,4-dien-3-one or penta-1,4-dien-3-one)	0
<input type="checkbox"/>	L4	12 and (aldol reaction or condensation or condensed or aldol condensation)	1885
<input type="checkbox"/>	L3	12 and pentadienone or 1,5-bis-4-hydroxy-3-methoxy-phenyl-penta-1,4-dien-3-one	1
<input type="checkbox"/>	L2	11 and acetone	4260
<input type="checkbox"/>	L1	vanillin or vanillic aldehyde or 2-methoxy-4-hydroxybenzaldehyde or 4-hydroxy-3-methoxy-benzaldehyde	12235

END OF SEARCH HISTORY

=> d his

(FILE 'HOME' ENTERED AT 14:27:20 ON 21 NOV 2007)

FILE 'REGISTRY' ENTERED AT 14:27:29 ON 21 NOV 2007

L1           STRUCTURE UPLOADED  
L2           2 S L1  
L3           42 S L1 FULL

FILE 'CASREACT' ENTERED AT 14:28:13 ON 21 NOV 2007

L4           STRUCTURE UPLOADED  
L5           1 S L4  
L6           7 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 14:28:57 ON 21 NOV 2007

L7           65 S L3  
L8           7 S L7 AND L6

FILE 'HCAPLUS, HCAOLD, USPATFULL, EPFULL' ENTERED AT 14:31:05 ON 21 NOV 2007

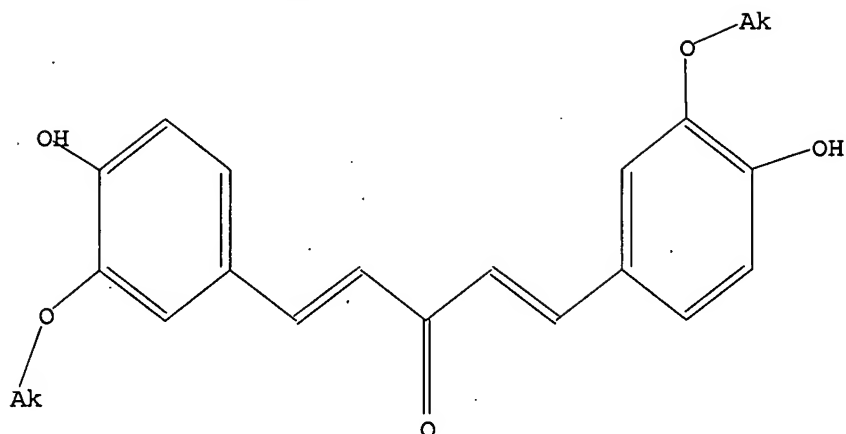
L9           480209 S ACETONE  
L10          4914 S L9 AND (VANILLIN OR VANILLIC ALDEHYDE OR 2-METHOXY-4-HYDROXY  
L11          1600 S L10 AND (CONDENSATION OR ALDOL REACTION)  
L12          12 S L11 AND (?PENTADIENONE OR 1,4-PENTADIEN-3-ONE OR ?PENTA-1,4-D  
L13          2 S L12 AND (IRRADIAT? OR RADIATION OR ACIDIC MEDIUM OR ACIDIC CO

L1        STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1                STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:27:52 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -        68 TO ITERATE

100.0% PROCESSED        68 ITERATIONS  
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*  
                              BATCH    \*\*COMPLETE\*\*

PROJECTED ITERATIONS:        866 TO        1854

PROJECTED ANSWERS:            2 TO        124

L2                2 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 14:27:58 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -        1317 TO ITERATE

100.0% PROCESSED        1317 ITERATIONS  
SEARCH TIME: 00.00.01

42 ANSWERS

L3                42 SEA SSS FUL L1

=> file casreact

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
172.10	172.31

FULL ESTIMATED COST

FILE 'CASREACT' ENTERED AT 14:28:13 ON 21 NOV 2007

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

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FILE CONTENT:1840 - 17 Nov 2007 VOL 147 ISS 22

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
*****
*
*      CASREACT now has more than 13.8 million reactions
*
*****
```

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=>
Uploading C:\Program Files\Stnexp\Queries\667-2.str
```

L4        STRUCTURE UPLOADED

```
=> d
L4 HAS NO ANSWERS
L4                STR
```

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.

```
=> s 14
SAMPLE SEARCH INITIATED 14:28:36 FILE 'CASREACT'
SCREENING COMPLETE -        31 REACTIONS TO VERIFY FROM        5 DOCUMENTS

100.0% DONE        31 VERIFIED        1 HIT RXNS        1 DOCS
SEARCH TIME: 00.00.01
```

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                         BATCH  **COMPLETE**
PROJECTED VERIFICATIONS:        286 TO        954
PROJECTED ANSWERS:            1 TO        79
```

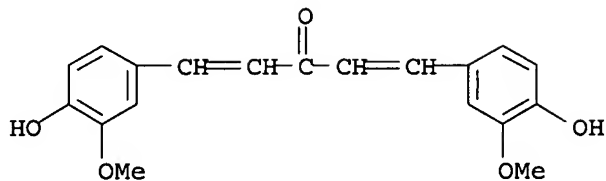
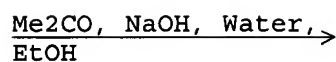
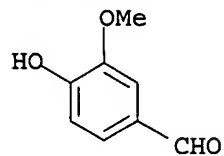
L5            1 SEA SSS SAM L4 (        1 REACTIONS)

```
=> d scan
```

L5    1 ANSWERS    CASREACT    COPYRIGHT 2007 ACS on STN

TI    Anti-oxidant activities of curcumin and related enones

RX(18) OF 67



ALL ANSWERS HAVE BEEN SCANNED

=> s 14 .full

FULL SEARCH INITIATED 14:28:45 FILE 'CASREACT'

SCREENING COMPLETE - 380 REACTIONS TO VERIFY FROM

75 DOCUMENTS

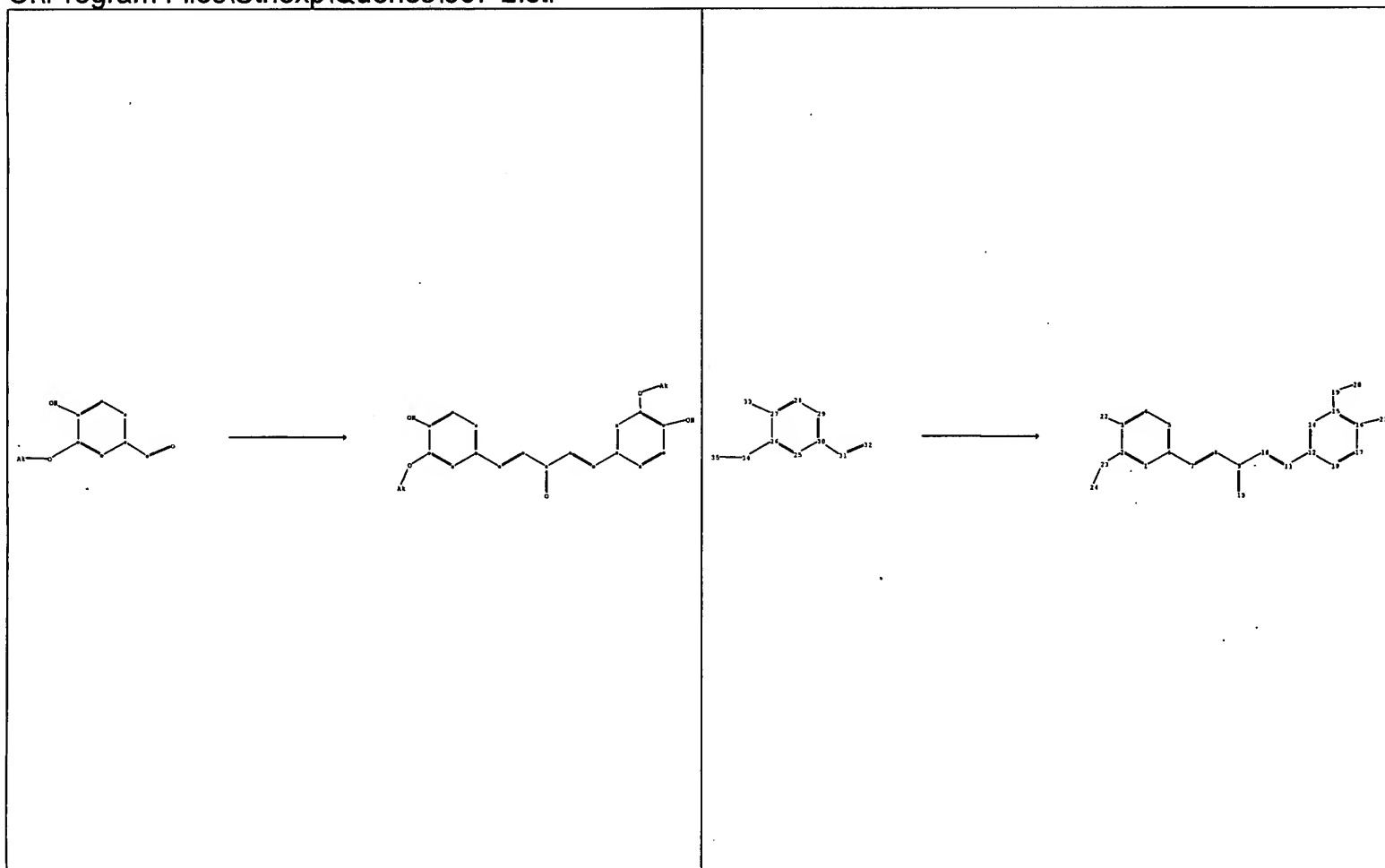
100.0% DONE 380 VERIFIED

11 HIT RXNS

7 DOCS

SEARCH TIME: 00.00.01

L6 7 SEA SSS FUL L4 ( 11 REACTIONS)



chain nodes :

7 8 9 10 11 13 19 20 21 22 23 24 31 32 33 34 35

ring nodes :

1 2 3 4 5 6 12 14 15 16 17 18 25 26 27 28 29 30

chain bonds :

2-23 3-22 6-7 7-8 8-9 9-10 9-13 10-11 11-12 15-19 16-21 19-20 23-24 26-34 27-33 30-31  
31-32 34-35

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-14 12-18 14-15 15-16 16-17 17-18 25-26 25-30 26-27 27-28  
28-29 29-30

exact/norm bonds :

2-23 3-22 9-13 15-19 16-21 19-20 23-24 26-34 27-33 31-32 34-35

exact bonds :

6-7 7-8 8-9 9-10 10-11 11-12 30-31

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-14 12-18 14-15 15-16 16-17 17-18 25-26 25-30 26-27 27-28  
28-29 29-30

isolated ring systems :

containing 1 : 12 : 25 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS8:CLASS9:CLASS10:CLASS11:CLASS12:Atom  
13:CLASS14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS20:CLASS21:CLASS22:CLASS  
23:CLASS

24:CLASS25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS32:CLASS33:CLASS

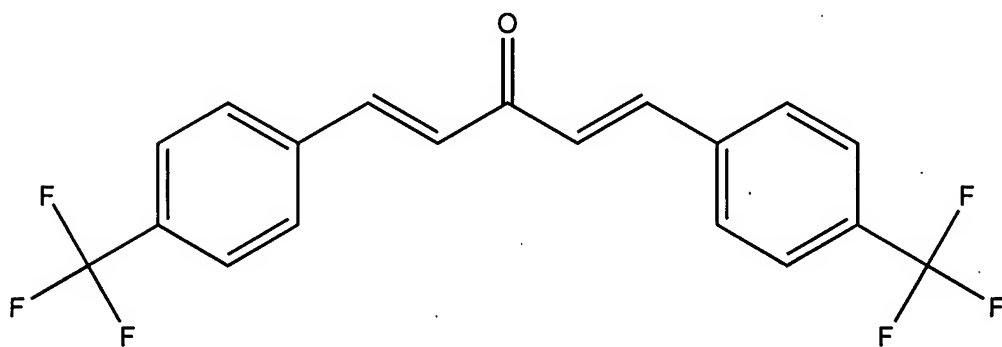
34:CLASS35:CLASS

fragments assigned product role:

containing 1

fragments assigned reactant/reagent role:

containing 25



1,5-bis(alpha, alpha, alpha-trifluoro-p-tolyl)-1,4-pentadien-3-one